

**SYSTEM AND METHOD FOR EXTENDING SECURE AUTHENTICATION USING  
UNIQUE SESSION KEYS DERIVED FROM ENTROPY GENERATED BY  
AUTHENTICATION METHOD**

**ABSTRACT**

The present disclosure relates generally to the field of communications systems, and more particularly, to a system and method for extending secure authentication using unique session keys derived from entropy generated by authentication method. In one example, a method for utilizing a public wireless local area network for a client with a smart card includes: creating an one-time password for a client upon a successful authentication; storing the password and identification information of the client; and utilizing the password and the client identity information to authenticate the client in the public wireless local area network.